

10/539723

JC17 Rec'd PCT/PTO 20 JUN 2005

ABSTRACT

The present invention relates to a plant cell which is genetically modified, the genetic modification leading to the reduction of the activity of one or more SSIII proteins which occur endogenously in the plant cell and to the reduction of the activity of one or more BEI proteins which occur endogenously in the plant cell and to the reduction of the activity of one or more BEII proteins which occur endogenously in the plant cell in comparison with corresponding plant cells, of wild-type plants, which have not been genetically modified. Further aspects of the invention relate to plants containing such plant cells, to a method for generating the plant cells and plants, and to the starch obtainable from them.